

In re Application of ANDREW
Serial No. 09/976,186

Listing of the Claims:

1. (currently amended) A system configured to provide user input to a plurality of application programs, comprising:

a plurality of software input methods that are independent of each of the plurality of application programs, each software input method having an input panel configured to receive user input based on user interaction therewith and stored in a software input method database; and

a software input method manager independent of each of the plurality of application programs, the software input method manager configured to select a first input method from the plurality of input methods based on a state of a first application program and to select a second input method from the plurality of input methods based on a state of a second application program, to enable user interaction with the input panel of each input method to provide input to each application program; wherein the input method manager database communicates uniquely with the software input method manager; and

an application state determination mechanism coupled to the software input method manager and each of the plurality of applications; the application state determination mechanism operable to determine the date of the first and second application programs.

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2. (currently amended) The system of claim 1 wherein the application program communicates the state to the software input method manager via the application state determination mechanism.

3. (currently amended) The system of claim 1, further comprising, a component external to the application program that hosts the application state determination mechanism that determines the state of the application and communicates the state to the software input method manager.

4. (original) The system of claim 1 wherein the state of the application program corresponds to a field having input focus.

5. (original) The system of claim 4 wherein the application program communicates data corresponding to the field to the software input method manager, and wherein the software input method manager selects the input method based on the data.

6. (previously presented) The system of claim 3 wherein the state of the application program corresponds to a field having input focus, and wherein the software input method manager selects the input method based on data corresponding to the field.

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7. (original) The system of claim 1 wherein the application program communicates the key-related data to the software input method, and wherein the software input method configures at least some keys on the input panel based on the key-related data.

8. (original) The system of claim 7 wherein the application program communicates the key-related data to the software input method via an XML format.

9. (original) The system of claim 7 wherein the key-related data includes a string corresponding to a meaning of at least one variable key.

10. (original) The method of claim 1 further comprising, a database of previous use input information, wherein the software input method configures at least some keys on the input panel based on the previous user input information.

**11. (currently amended) A computer-implemented method, comprising:
receiving application state data from a first application program and a second application program that are among a plurality of application programs, the application program state data received at a software input method manager via an application state determination mechanism that is independent of the application programs and independent of the software input method manager, the software**

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input method manager further being independent of each of the plurality of application programs;

selecting a selected input method from an independent database of input methods for the first application program and for the second application program from a plurality of software input methods, each software input method being independent of each of the plurality of application programs and having an input panel configured to receive user input based on user interaction therewith; and

returning data to at least one application program corresponding to user interaction with at least one input panel, the at least one input panel having at least one displayed key that when actuated returns a string of at least two characters to at least one application program.

12. (original) The method of claim 11 further comprising, receiving key configuration data in relation to the selected input method, and configuring at least one key on the input panel based on the key configuration data.

13. (previously presented) A tangible computer-readable medium having computer-executable instructions for performing the method of claim 11.

14. (currently amended) A computer-implemented method, comprising:
receiving application program state data from a first application program and a second application program that are among a plurality of application programs, each application program state received at a software input method manager via

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an application state determination mechanism that is independent of the application programs and independent of the software input method manager, the application state determination mechanism and the software input method manager ~~that is independent of the application program corresponding to the application program state data;~~

selecting an input panel from a database of input panels based on the application program state data, the input panel independent of each of the plurality of application programs,

displaying keys on the input panel to enable user interaction with the input panel; and

returning key data to the application program corresponding to user interaction with the input panel.

15. (original) The method of claim 14 wherein receiving application program state data comprises receiving data corresponding to a communication from the application program.

16. (original) The method of claim 14 wherein receiving application program state data comprises receiving data corresponding to a communication from component external to the application program.

17. (original) The method of claim 14 wherein selecting an input panel comprises loading an input method.

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18. (original) The method of claim 14 wherein selecting an input panel comprises notifying a loaded input method.

19. (original) The method of claim 14 further comprising, receiving key configuration information corresponding to the state, and configuring at least some of the keys on the input panel based on the key configuration information.

20. (original) The method of claim 19 wherein receiving key configuration information comprises receiving data corresponding to a communication from the application program.

21. (original) The method of claim 19 wherein receiving key configuration information comprises receiving data corresponding to a communication from component external to the application program.

22. (original) The method of claim 21 wherein receiving data corresponding to the communication from the component external to the application program comprises, accessing a database.

23. (original) The method of claim 14 wherein returning key data to the application program comprises, returning a string of at least two characters in response to a single displayed key being actuated.

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**24. (previously presented) A tangible computer-readable medium having
computer-executable instructions for performing the method of claim 14.**